

SOV/135-59-9-18/23

Moscow Oblast Conference of Welders

Bad'yanov and G. F. Chepelyugin. V. G. Shlyapin (TsNIIMPS) spoke on the flux surfacing process and V. A. Lapidus (TsNIIMASH) discussed the discovery of new qualitative and highly productive electrodes, as did A. A. Yerokhin and O. M. Kuznetsov (IMET), V. S. Stroyev and I. N. Vornovitskiy, Z. G. Chomova (NIAT) and N. A. Tarkhov. M. M. Krachchik spoke on determining the tenacity of welded seams, and A. I. Pugachev (VIAM), P. L. Chuloshnikov and N. Kh. Andreyev (NIAT) discussed improved point and seam welding. V. A. Vinokurov (MVTU) and V. O. Osipov (MIIT) reported on research into point welding. V. V. Belov and M. Kh. Shorshorov (IMET) spoke on the formation of cold cracks resulting from arc welding. I. N. Gerasimenko discussed the structure and qualities of welding units with dual layer steel 12MX+E1496 (08X12). Finally, N. O. Okerblom reported on recent work of members of the welding section of LONITOMASH.

Card 3/3

1 43925-66 EWT(a)/EWT(m)/EWT(c)/EWT(V)/EWT(I)/EWT(E)/EWT(S)/EWT(M)
ACC NR: AP6027440 SOURCE CODE: UR/135/66/000/008/0004/0007

AUTHOR: Orlov, B. D. (Candidate of technical sciences); Marchenko, A. L. (Engineer); Linyakiv, P. I. (Engineer); Zaytsev, M. P. (Candidate of technical sciences)ca)

B
78

ORG: MATI

TITLE: Selection of parameter for automatic control of spot welding of aluminum alloys 14 16

SOURCE: Svarochnoye proizvodstvo, no. 8, 1966, 4-7

TOPIC TAGS: aluminum base alloy, copper containing alloy, amnesium containing alloy, metal welding, weld evaluation, automatic control/ D16AT aluminum alloy, AMg6 aluminum alloy, AMtsAM aluminum alloy

ABSTRACT: Results are presented of a theoretical and experimental investigation of spot welding D16AT, AMg6 and AMtsAM aluminum alloys to determine a reliable parameter on which an automatic quality control of spot welds can be based. Effects of welding time, welding current, spot spacing, electrode radius, and electrode pressure on nugget diameter and thickness, magnitude of electrode "push back" (under effect of thermal expansion of welded metal), voltage drop on electrodes, and power were studied. Alloy specimens 30x200x1-2.5 mm in size were

Cord 1/2

UDC: 621.791.763.1.08:669.715

L 43925-56

ACC NR: AP6027440

welded in an ²MTPT-400¹⁰ spot welder. It was found that the electrode push-back is the most sensitive indicator of the nugget diameter and thickness; it reflects quantitatively the process of nugget formation. A decrease in nugget diameter by 0.3—0.5 mm reduced the push-back by about 0.01 mm. With welds of satisfactory quality, the average magnitude of push-back is 4—5% of the total thickness of welded sheets, with deviations of ±3.5—5%. With a lack of fusion, the magnitude of push-back is only one half the above value. On the basis of these results, the MTPT-400 welders are being equipped with the automatic quality control system. In AMg and AMtsAM alloy (3x3 mm), a minimum nugget diameter is ensured with a push-back of 0.30 mm. Orig. art. has: 8 figures and 2 tables. [AZ] 2

SUB CODE: 13/ SUBM DATE: none/ ORIG REF: 003/ ATD PRESS: 5060
11/

Card 2/2 *egk*

SOV/124-58-7-8192 D

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 7, p 122 (USSR)

AUTHOR: Lipovskiy, R.S.

TITLE: A Study of the Performance of Acute-angle Railroad Frogs
When Subjected to Moving Loads (Issledovaniye raboty ostrykh
krestovin pod podvizhnoy nagruzkoy)

ABSTRACT: Bibliographic entry on the author's dissertation for the de-
gree of Candidate of Technical Sciences, presented to the
Dnepropetr. in-t inzh. zh.-d. transp. (Dnepropetrovsk Institute
of Rail Transportation Engineering), Dnepropetrovsk, 1957

ASSOCIATION: Dnepropetr. in-t inzh. zh.-d. transp. (Dnepropetrovsk Insti-
tute of Rail Transportation Engineering), Dnepropetrovsk

1. Railroad switches--Performance 2. Railroads--Equipment

Card 1/1

LIPOVSKIY R.S.

LIPOVSKIY, R.S., inzhener (Dnepropetrovsk).

Track crossings ("frogs") can last longer. Put' i put.khoz.
no.9:20 S '57. (MIRA 10:10)

(Railroads--Crossings)

LAZARYAN, V.A., prof.; FRISHMAN, M.A.; L'VOV, A.A., kand.tekhn.nauk;
LIPOVSKIY, R.S., inzh.; BERMAN, Z.G., inzh.; LEVANKOV, I.S., inzh.

Wheel and rail interaction forces caused by short-distance unevenness
of the track. Vest.TSNII MPS 19 no.6:9-12 '60. (MIRA 13:9)

1. Dnepropetrovskiy institut inzhenerov zheleznodorozhnogo
transporta.

(Railroads←-Rails)

(Car wheels)

FRISHMAN, M.A., doktor tekhn.nauk; SHATERKOV, V.I., kand.tekhn.nauk;
SHKODA, Ye.G., inzh.; LIPOVSKIY, R.S., kand.tekhn.nauk

Eliminating the causes of crack formation in switch rails with
squeezed out heels. Vest. TSNII MPS 20 no.5:50-52 '62.
(MIRA 15:8)

1. Dnepropetrovskiy institut inzhenerov zheleznodorozhnogo
transporta.

(Railroads--Rails--Defects)

SEMENCHENKO, F.Ya., Geroy Sotsialisticheskogo truda, starshiy dorozhnyy master; ISAKOV, I.F., kand. tekhn. nauk; KOBETS, N.G., starshiy dorozhnyy master; VOLOSHKO, Yu.D., kand. tekhn. nauk; CHERKASSKIY, M.M., inzh.; SHATERKOV, V.I., kand. tekhn. nauk; LIPOVSKIY, R.S., kand.tekhn.nauk; FRISHMAN, M.A., prof., red.; POTOTSKIY, G.I., inzh., red.; VOROB'YEVA, L.V., tekhn. red.

[Current maintenance and repair of tracks] Tekushchee sodержanie i remont puti; opyt puteitsev Nizhnedneprovsk-Uzlovskoi distantsii Pridneprovskoi dorogi. Moskva, Transzheldorizdat, 1962. 55 p.
(MIRA 16:1)

(Railroads--Maintenance and repair)

FRISHMAN, M.A., prof. (Dnepropetrovsk); LIPOVSKIY, R.S., dotsent;
(Dnepropetrovsk); ORLOVSKIY, A.N., inzh. (Dnepropetrovsk)

Obtuse-angled frogs with movable points. Put' 1 put. khoz.
7 no.10:8 '63. (MIRA 16:12)

BELYKH, K.D., inzh.; LEVANKOV, I.S., kand. tekhn. nauk; LIPOVSKIY, R.S.,
kand. tekhn. nauk

Rise of the outer rail on ~~small~~ radius curves in metallurgical
plants. Vest. TSNII MPS 22 no4:47-49 '63. (MIRA 16:8)

(Railroads, Industrial--Curves and turnouts)

FRISHMAN, M.A., doktor tekhn. nauk, prof.; LIPOVSKIY, R.S., kand. tekhn. nauk; ORLOVSKIY, A.N., inzh.

New design of obtuse angle frogs with a mobile point. Vest.
TSNII MPS 22 no.7:10-14 '63. (MIRA 16:12)

1. Dnepropetrovskiy institut inzhenerov zheleznodorozhnogo
transporta.

FRISHMAN, M.A., doktor tekhn. nauk, prof.; LIPOVSKIY, R.S., kand. tekhn.
nauk; ORLOVSKIY, A.N., kand. tekhn. nauk

New frogs for high-speed traffic. Vest. TSNII MPS 25 no.1:3-6
'66. (MIRA 19:2)

LIPOVSKIY, S. M., DOG. MED SCI, "GASES OF THE BLOOD IN CERTAIN FORMS OF RESPIRATORY INSUFFICIENCY. (EXPERIMENTAL ~~INVESTIGATION~~ ^{study})."
~~VESTIGATION~~)." LENINGRAD, 1961. (LENINGRAD PEDIATRIC MED INST). (KL-DV, 11-61, 226).

-228-

LIPOVSKIY, S.M.

Comparative evaluation of the effect of cholinolytic agents (hexonium, fubromegan and quateleron) on the development of experimental ulcers. Farm. i toks. 26 no.6:684-687 N -D '63 (MIRA 18:2)

1. Laboratoriya po gastroenterologii (rukovoditel'-chlen-korrespondent AMN SSSR prof. S.M. Ryss) AMN SSSR i kafedra patologicheskoy fiziologii (zav. - prof. L.R. Perel'man) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.

LIPOVSKIY, S.M.

Effect of adrenalectomy, ACTH and hydrocortisone on the development of experimental gastric ulcer. *Biul. eksp. biol. i med.* 60 no.9:48-50 8 '65. (MIRA 18:10)

1. Laboratoriya gastroenterologii (rukovoditel' - chlen-korrespondent AMN SSSR prof. S.M. Ryss) AMN SSSR i kafedra patologicheskoy fiziologii (dir. - prof. L.R. Perel'man) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.

~~ЛИПОВСКИЙ, В.М.~~
LIPOVSKIY, V.M., inzhener.

Improving the making, transportation, and installation of large partitions is a way of cutting down building costs. Biul.tekh. inform. 3 no.8:5-10 Ag '57. (MIRA 10:10)

(Walls)

LIPOVSKIY, V.M.

Centralized manufacturing of large partitions. Biul. tekhn. inform.
3 no.12:20-22 D '57. (MIRA 11:1)
(Lightweight concrete) (Walls)

LIPOVSKIY, V.M., Cand Tech Sci -- (disc) " Industrial production of
large ~~scale~~ ^{sized} ~~systems~~ ^{draft}." Len, 1958. 17 pp (Min of Higher Education USSR. Len
Order of Labor Red Banner Engineering-Construction Inst), 110 copies
Bibliography on third page of cover (10 titles) (KL 24-58, 119)

LIPOVSKIY, Vladimir Mikhaylovich, inzh.; BRILLIANTOV, L.N., inzh., red.;
KUBNEVA, M.M., tekhn.red.

[Selecting efficient designs and materials for large partitions]
Vybor ratsional'nykh konstruksii i materialov dlia krupno-
razmernykh peregorodok. Leningrad, Leningr.dom nauchno-tekhn.
propagandy, 1958. 23 p. (Informatsionno-tekhnicheskii listok,
no.15. Stroitel'naia promyshlennost'). (MIRA 12:9)
(Gypsum) (Walls)

LIPOVSKIY, V.M., inzh.

Calculating thickness of partition panels. Biul. tekhn. inform. 4
no. 6:25-26 Je '58. (MIRA 11:7)

(walls)

LIPOVSKIY, V.M., inzh.

Calculating drying processes of large gypsum-concrete partitions.
Biul.tokh.inform. 4 no.10:25-27 0 '58. (MIRA 11:11)
(Walls) (Gypsum--Drying)

LIPOVSKIY, V.M., kand.tekhn.nauk

Molding gypsum concrete partitions using stiff mixes. Biul.
tekh.inform.po stroi. 5 no.8:22-23 Ag '59. (MIRA 12:11)
(Gypsum) (Concrete slabs)

LIPOVSKIY, V.M., kand. tekhn. nauk; LEVDOLIEV, V.A.; KUSHIN, A.S.;
MALKEVICH, P.P.

The E-15-14 excavator. Mekh. stroi. 18 no. 2:25 F '61.
(MIRA 14:2)

1. Glavleningradskoy.
(Excavating machinery)

LIPOVSKI, Rudolf

Pneumatic conveying of water glass used for preparation of binding and conventional molding mixes. Slevarenstvi 11 no.5:209-210 My '63.

1. Strojarske metalurgicke zavody, Dubnica nad Vahom.

LIPOVSKY, Rudolf

Testing the automatic batch meter and eight-bottle carbon dioxide batteries. Slevarenstvi 12 no. 3: 110-112 Mr '64.

1. Strojarsko-metalurgicke zavody, Dubnica nad Vahom.

LIPOVSKY, Rudolf

Dry reclamation of waste foundry sands. Slevarenstvi 12 no.6:
232-235 Je '64.

1. Strojarsko-metalurgicke zavody, Dubnica nad Vahom.

LIPOVSKY, Rudolf

Casting of exacting gear wheels for electric locomotives.
Slevarenstvi 12 no.9:361-363 S '64.

1. Strojarsko-metalurgicke zavody, Dubnica nad Vahom.

LIPOVTSKY, A., insh.

Machine for cleaning buckwheat from wild radish. Mak.-elev. prom.
26 no.10:24-26 0'60. (MIRA 13:10)

1. Kubanskiy sel'skokhozyaystvennyy institut.
(Buckwheat--Cleaning) (Radishes)

LIPOVTSSEV, A., inzh.

Cleaning wheat of weeds difficult to remove. Muk.-elev.prom.
27 no.12:25 D '61. (MIRA 15:2)

1. Kubanskiy sel'skokhozyaystvennyy institut.
(Wheat--Cleaning)

LIPOVITSEV, A.

Separating full-value buckwheat from the waste of a groats plant.
Muk.-elev. prom. 29 no.12:19-20 D '63. (MIRA 17:3)

1. Kubanskiy sel'skokhozyaystvennyy institut.

LIPOVTSSEV, A.I., inzh.

Methods for cleaning buckwheat from weeds difficult to remove.
Trakt. i sel'khoz mash. 31 no.10:27-29 0 '61. (MIRA 14:12)

1. Kubanskiy sel'skokhozyaystvennyy institut.
(Buckwheat--Cleaning)

LIPOVITSEV, I. P., Assistant
Kirov Agricultural Inst.

"Intraarterial application of 'monosept' in suppurative processes
in horse."

SO: Vet. 27 (10) 1950, p. 51

USSR / Diseases of Farm Animals. General Problems.

R

Abs Jour : Ref Zhur - Biol., No 22, 1958, No 10106

Author : Lipovtsev, I. P.

Inst : Kirov Agricultural Institute.

Title : Intra-Arterial Injections of Some Medicinal Substances into Brachial Arteries of Horses in Surgical Diseases.

Orig Pub : Tr. Kirovskogo s.-kh. in-ta, 1957, 12, No. 24, 121-128

Abstract : In treating purulent processes, good results were obtained when medicinal substances (such as streptocide, Rivanol, Monosept, and novocain) were injected intra-arterially: the organism's general well-being improved, development of purulent processes was arrested, and their healing was accelerated. The brachial artery is punctured 2-4 cm.

Card 1/2

USSR / Diseases of Farm Animals. General Problems.

R

Abs Jour : Ref Zhur - Biol., No 22, 1958, No 101306

in front of the medial ligament of the elbow joint.
The needle is inserted at a 45-50° angle into the
vessel, along the artery's course, to a depth of
0.3 cm. -- I. I. Magda.

Card 2/2

1

LIPOVTSSEV, L.Ya., inzh.; LOSYAK, S.S., inzh.; MAMONOV, I.I., inzh.,
TRUBNIK, G.F., inzh.

First results of the operation of a 200 kw. boiler-turbine unit.
Teploenergetika 8 no.8:41-47 Ag '61. (MIRA 14:10)

1. Gosudarstvennyy trest po organizatsii i ratsionalizatsii
elektrostantsiy.

(Boilers)

(Steam turbines)

KAS'YANOV, L.N., inzh.; LIPOVTSKY, L.Ye., inzh.; LOSHAK, S.B., inzh.
RAYEV, B.Kh., inzh.; CHEBINA, G.A., inzh.; MICHNIK, G.S.,
kand. tekhn. nauk

Load drop on the 200 kw. unit with subsequent loading.
Teploenergetika 8 no. 11: 44-49 O '61. (Sov. Eng.)

1. Gosudarstvennyy trest po organizatsii i ratsionalizatsii
elektrostantsiy i Zmiyevskaya gosudarstvennaya rayonnaya
elektricheskaya stantsiya.

(Steam turbines--Testing)

LIPVOTSEV, V.D.

Loading capacity of bevel gears. Stan. 1 instr. 31 no.5:21-23
My '60. (MIRA 14:5)

(Gearing, Bevel)

KUZNETSOV, A.P.; KURSHIN, L.M.; LIPOVISEV, YU.V. (Novosibirsk)

"On the solution of the problem of creep buckling of shell on the basis of geometrically non-linear theory".

report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow, 29 Jan - 5 Feb 64.

L 65195-65 EWT(d)/EWT(m)/EWP(w)/EWP(v)/T/EWP(t)/EWP(k)/EWA(h)/ETC(m)

ACCESSION NR: AR5019380

JD/WW/EM

UR/0124/65/000/007 V032 V032

SOURCE: Ref. zh. Mekhanika, Abs. 7V237

AUTHOR: Lipovtsev, Yu. V.

TITLE: A problem on the buckling of a closed cylindrical shell under compression and external pressure in the presence of creep

CITED SOURCE: Dokl. 3-y Sibirsk. konferentsii po matem. i mekhan., 1964, Tomsk, Tomskiy un-t, 1964, 325-326

TOPIC TAGS: cylindric shell structure, creep, shell buckling, compressive stress

TRANSLATION: The author discusses a problem on deflections of a closed cylindrical shell subject to axial compression and external pressure in the presence of initial irregularities in the shape of its middle surface. Creep is described through equations from the theory of flow and these equations are linearized for small deviations from the basic zero-moment state. The author writes differential equations relating to the stated problem. L. M. Kachanov

SUB CODE: AS

ENCL: 00

Card 1/1 MLR

L 00709-65 EWT(d)/EWT(m)/EWT(k)/EWA(h)/EWP(b)/T/EWA(d)/EWT(w)/EWT(v)/EWP(t)
EM/WW/JD

ACCESSION NR: AP5021909

UR/0207/65/000/004/0111/0116

AUTHOR: Grigolyuk, E. I. (Moscow); Lipovtsev, Yu. V. (Moscow)

TITLE: Stability of shells under creep conditions

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 4, 1965, 111-116

TOPIC TAGS: thin shell, shell buckling, creep buckling, elastic buckling, cylindrical shell

ABSTRACT: The buckling of a thin homogeneous shell under arbitrary loading is discussed, assuming certain initial imperfections accounted for by initial displacements. The stability equations under creep conditions are obtained by subtracting the equilibrium equations which describe the prebuckling state of the shell from equations of its postbuckling equilibrium, and are supplemented by equations which determine the relations between the stress and strain components in the process of creep at the instant of buckling, and by relationships between the strain and displacement components. In that way, after certain transformations and introduction of a variable, a closed system of equations is derived for solving the problem. By introducing the expressions for the initial forces and moments and for their increments at the time of buckling into the closed system of equations, two systems of equa-

Card 1/2

L 64769-65

ACCESSION NR: AP5021909

tions describing the behavior of shells under creep are obtained: a system describing the prebuckling state of the shell, and a system of stability equations. The application of these systems of equations to the analysis of creep buckling of a closed cylindrical shell under uniform axial compression is discussed as an example and the behavior of the shell is illustrated by diagrams; the general form for the expression (used in solving this problem) which determines the postbuckling deflection of the shell is based on various forms of these expressions used in many works (Soviet and non-Soviet) associated with the buckling of circular cylindrical shells. By equating the time variable to zero in the final equations, the elastic buckling of a shell, with its initial imperfections taken into account, can be analyzed by using the so modified equations. Orig. art. has: 2 figures and 28 formulas. [VK]

ASSOCIATION: none

SUBMITTED: 27Apr65

ENCL: 00

SUB CODE: AS

NO REF SOV: 003

OTHER: 005

ATD PRESS: 1080

Card

L 37126-66 EWT(d)/EWT(m)/EWP(w)/EWP(k) LSP(c) EA/JT/GD/EM

ACC NR: AT8011755

SOURCE CODE: UR/0000/65/000/000/0170/0188

AUTHOR: Kurshin, L. M. (Doctor of technical sciences); Lamper, R. Ye.; Lipovtsev, Yu. V.

ORG: None

TITLE: Calculating the stability of sandwich panels beyond the limit of proportionality

SOURCE: Rascheti elementov aviatsionnykh konstruktsiy, vyp. 3: Trekhsloynnye panelli i obolochki (Calculation of aircraft construction elements, no. 3: Sandwich panels and shells). Moscow, Izd-vo Mashinostroyeniye, 1965, 170-188

TOPIC TAGS: shell structure stability, shell structure, sandwich structure, shell deformation

ABSTRACT: The authors study the possibility of an approximate calculation of sandwich layers for stability beyond the limit of proportionality by means of simple formulas in such a manner as to reduce the problem of the calculation to the determination of a critical stress assuming elastic working of the material and to a certain recalculation of this value into a rated stress. With this kind of approach it becomes possible to make stability calculations for sandwich structures beyond the limit of proportionality even in those cases for which solutions are available only within the limits of proportionality. In order to solve Card 1/2

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L 37126-66

ACC NR: AT6011755

the problem of the selection of an approximate formula, a solution is given to two problems of sandwich panels beyond the limit of proportionality: for a hinge-fastened panel under compression and for a long panel with deflection. The equations employed were obtained elsewhere by the authors, on the assumption that plastic deformation takes place only in the support layers, whereas the filler works within the limits of elasticity. At the same time, on the basis of the conception of a continuing load it is postulated that the stability loss is not accompanied by unloading and that the plastic deformation is everywhere active. The external layers of the panel are considered to be non-moment, with the filler working only on the deflection and not taking on normal stresses. Certain variations of the approximate formulas for the determination of the critical stresses are also considered. A comparison is made between experimental data and the results of a calculation of critical stresses according to an approximate method outlined in the paper. Equations are presented for calculating the stability of sandwich panels in the event that the stresses in the filler are outside the limit of proportionality. Orig. art. has: 20 figures and 26 formulas.

SUB CODE: 13 / SUBM DATE: 25Oct65 / ORIG REF: 006 / OTH REF: 001

Card 2/2 af

L 44437-66 EWT(d)/EWT(m)/EWP(w)/EWP(v)/T/EWP(t)/ETI/EWP(k) IJP(c) JD/WW/EM
ACC NR: AP6024190 SOURCE CODE: UR/0424/66/000/002/0084/0090

AUTHORS: Grigolyuk, E. I. (Novosibirsk); Lipovtsev, Yu. V. (Novosibirsk)

ORG: none

TITLE: Application of the variational principle to problems of shell stability under conditions of creep

SOURCE: Inzhenernyy zhurnal. Mekhanika tverdogo tela, no. 2, 1966, 84-90

TOPIC TAGS: shell theory, variational method, creep, stress distribution

ABSTRACT: Equations of stability are derived for flat shells in creep using the variational principle of J. L. Sanders, H. G. McComb, and F. R. Schlechte (A variational theorem for creep with applications to plates and columns. NASA Technical Note, 4003, 1957; Report, 1342, 7 p. 1958). The method assumes a linear distribution of stress along the shell thickness when the material obeys relationships in flow theory. This means the first variation of the functional J must equal zero, where

$$J = \int_{(V)} \left\{ \epsilon_{ij} \sigma_{ij} + \frac{1}{2} \dot{w}_{,i} \dot{w}_{,i} \sigma_{ij} - \frac{1}{2} \dot{\epsilon}_{ij}^* - \dot{\rho}_{ij} \dot{\rho}_{ij} \right\} dV - \int_{B_s} \dot{T}^* \dot{U}_i ds - \int_{B_d} (\dot{U}_i - U_i^*) T_i ds$$

$$\epsilon_{ij} = \frac{1}{2} (U_{i,j} + U_{j,i} + w_{,i} w_{,j}) - k_{ij} w, \quad \epsilon_{ij}^* = \frac{1}{2G} \sigma_{ij}$$

$$(k_{11} = \frac{1}{R_1}, k_{22} = \frac{1}{R_2}, k_{12} = 0)$$

Card 1/2

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L 44437-66

ACC NR: AP6024190

$$T_m = \sigma_{ij} n_j \delta_{im}, \quad T_3 = \sigma_{ij} n_i (\delta_{3j} + w_{,j}) \quad (m=1, 2).$$

Using the two linear relationships

$$\sigma_{ij} = \frac{1}{h} T_{ij} + \frac{12}{h^3} M_{ijz}, \quad \sigma_{ij}^* = \frac{1}{h} T_{ij}^* + \frac{12}{h^3} M_{ijz}^*,$$

the following set of differential equations is obtained for shell stability in creep

$$\begin{aligned} \nabla^2 \nabla^2 F^{**} &= -Eh [k_{11} w_{,33}^{**} + k_{33} w_{,11}^{**} + L(w,^{**} w^*)] \\ D \nabla^2 \nabla^2 w^{**} - k_{11} F_{,33}^{**} - k_{33} F_{,11}^{**} - L(w^{**}, F^*) - L(w^*, F^{**}) &= 0 \\ L(a, b) &= a_{,11} b_{,33} + a_{,33} b_{,11} - 2a_{,13} b_{,13} \end{aligned}$$

The analysis is extended to the case of steady creep, and the example of a circular cylinder in steady creep is discussed. Orig. art. has: 57 equations.

SUB CODE: 20/ SUBM DATE: 28May65/ ORIG REF: 001/ OTH REF: 001

Card 2/2 *20*

L 04974-67 EWT(d)/EWT(m)/EWP(w)/EWP(v)/T/EWP(t)/ETI/EWP(k) IJP(c) JD/MJ/EM

ACC NR: AP6030812

SOURCE CODE: UR/0424/66/000/003/0099/0106

AUTHOR: Grigolyuk, E. I. (Moscow); Lipovtsev, Yu. V. (Novosibirsk)

ORG: none

TITLE: Criteria of shell buckling under creep conditions

SOURCE: Inzhenernyy zhurnal. Mekhanika tverdogo tela, no. 3, 1966, 99-106

TOPIC TAGS: creep buckling, shell creep, shell buckling, shell buckling criterion,

creep, buckling, cylindrical shell structure

ABSTRACT: After giving a brief account of various approaches used by other authors in solving the creep-buckling problem, the authors investigate the Eulerian stability of a thin closed circular cylindrical shell under uniform longitudinal compression, taking into account the real redistribution of stresses affected by creep and manufacturing imperfections. The equation of state under creep conditions is taken in the form $\dot{p}_i = A\delta_i^3$, where p_i and δ_i are the intensities of creep-strain rate and normal stresses, respectively, and A is a constant; the irregularities in the form of the middle surface are accounted for by introducing an initial axisymmetric deflection $W^0 = 2h \zeta^0 \sin^2 mx/L$, where h and L are the thickness and the length of the shell, respectively, ζ^0 - the amplitude of the deflection, m - the number of longitudinal semiwaves, and x - the longitudinal coordinate. A variational equation (previously derived by the authors) which describes the states of stress and strain in the shell under creep is used in deriving (with introduction of a time parameter τ) a system

Card 1/2

L 04974-67

ACC NR: AP6030812

of nonlinear integral equations which determine the creep-buckling process with respect to time. The results of a numerical solution of this system of equations are given by curves in the (ζ, τ) -plane. The stability of the shell, the branching of the modes of equilibrium with following instantaneous transition, as well as a gradual buckling process are discussed and illustrated by diagrams. The effect of linearizing the physical relationships on the creep behavior of the shell is evaluated, and the error associated with linearization is estimated. The results obtained are compared with experimental data on the creep buckling of thin cylinders with random manufacturing imperfections subjected to axial compression. Orig. art. has: 6 figures and 32 formulas. [VK]

SUB CODE: 20/ SUBM DATE: 05Nov65/ ORIG REF: 008/ OTH REF: 007

Card

2/2

fdh

POLAND / General and Specialized Zoology - Insects.

P

Abs Jour : Ref Zhur - Biologiya, No 5, 1959, No. 20835

Author : Lipowa, I.; Lipa, J. J.

Inst : Not given

Title : Observations on *Pyrrhocoris apterus* L.

Orig Pub : Ekol. Polska, 1958, B4, No 1, 45

Abstract : *Pyrrhocoris apterus* L. assemble for wintering under heaps of grass and fallen leaves, where they gather in masses and maintain their activity even during strong frosts. During the thawing periods they may mount on the wood stems and the surface of snow, but after the return of frosts such individuals perish. Only those bugs which remain in their retreats winter securely. A great accumulation of bugs for wintering at an

Card 1/2

15

POLAND / General and Specialized Zoology - Insects.

P

Abs Jour : Ref Zhur - Biologiya, No 5, 1959, No. 20835

isle on the Snyardva Lake, thought it is
separated from land by a distance of
several kilometers, has been observed. --
D. P. Dovnar-Zapol'skiy

Card 2/2

ACC NR: AP7003323

SOURCE CODE: PO/0056/66/017/05-/0813/0820

AUTHOR: Grzesik, Jan -- Gzhesik, Ya. (Zabrze Rokitnica); Pluta, Elzbieta -- Plyuta, Ye. (Zabrze Rokitnice); Lipowczan, Adam -- Lipovchan, A. (Zabrze Rokitnica)

ORG: Laboratory of Physics and Ultrasonics /headed by Dr. J. Grzesik, Institute of Labor Medicine in the Coal and Metallurgy Industry, Zabre (Pracownia Fizyki i Ultradźwięków Instytutu Medycyny Pracy w Przemysle Węglowym i Hutniczym)

TITLE: Effects of mechanical vibration upon erythrocytes in vitro

SOURCE: Acta physiologica polonica, v. 17, no. 5-6, 1966, 813-820

TOPIC TAGS: vibration, blood, physiology, blood corpuscle, erythrocyte, blood osmotic resistance, physiologic salt solution, hemolysis, anticoagulant, photometer/Pulfrich photometer

ABSTRACT: Research on the effects of ultrasound on erythrocytes has facilitated the study of biologic dosimetry problems related to mechanical vibration in lower frequency ranges. Experiments with blood corpuscles in vitro were conducted.

Card 1/3

ACC NR: AP7003323

Equipment used consisted of a sinusoidal vibration generator with amplifier, and a measuring unit. The effects of vibration group O RH+human blood suspended in an isotonic ACD [anticoagulant citric acid dextrose] solution 5:1 and on a mixture of whole blood and physiological saline 1:50 was studied. Exposure to vibration varied from 1 to 150 minutes at 5 or 15 g; in one case 50 g were applied. Samples were aircooled during testing. Osmotic resistance after exposure to vibration was determined by the Hamburger technique as modified by Naegele. Hemolysis in the remaining blood was evaluated after sedimentation by comparing it visually with control blood and corpuscles. Changes in the mixture of blood and physiological saline were determined with a Pulfrich photometer. Osmotic resistance was related to degree of acceleration vibration frequency, and duration of exposure. Parametric stimuli increases caused marked drops in resistance. Hemolysis immediately after exposure was observed only in cases when suspended erythrocyte solutions produced sprays and foam in incompletely filled vessels. More intense vibration caused a marked rise in temperature, compensated by intensive outside cooling with cold airstreams directed upon the walls of the vessels. It seems, however, that this did not eliminate a temperature gradient inside the vessels, caused by intensive heat emission in the sample itself as well as by the outside cooling. Osmotic resistance drops can be explained in this

Card 2/3

ACC NR: AP7003323

instance by the raised temperature, confined in its action within the small volume of the probe. Orig. art. has: 3 figures and 2 tables. [Based on authors' abstract] [WA-022] [DR]

SUB CODE: 06/SUBM DATE: 23Jun65/ORIG REF: 002/SOV REF: 001/
OTH REF: 008/

Card 3/3

LIPOWICZ, Roman, Gdansk-Wrzeszcz, ul. Kreta 8.

Installation of cooling apparatus of hypothermia. Polski
tygod.lek.10 no.46:1513-1514 14 Nov. '55.

(BODY TEMPERATURE,
hypothermia, colling appar.,installation)

LIPOWICZ, Roman, prof. mgr inz.

"Cooling installations; selected calculation problems" by
Kazimierz Gutkowski. Reviewed by Roman Lipowicz. Gosp paliw
11 no.5:190 My '63.

LIPOWICZ, R.

"Diagrams for computing the air delivery and the consumption of power in cooling compressors."

p. 134 (Gospodarka Cieplna, Energetyka Przemyslowa) Vol. 5, no. 4, July/
Aug. 1957 Warsaw, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

LIPOWICZ, R.

TECHNOLOGY

Periodicals: MECHANIKA. No. 3, 1958

LIPOWICZ, R. Analysis of starting refrigerating machinery with a booster system. p. 67.

Monthly List of East European Accesssions (EEAI) LC, Vol. 8, No. 2,
February 1959, Unclass.

LIPOWICZ, Roman, mgr inż.

Certain problems of pumping systems in cooling. Przegl techn
no.46:7, 10 18 N '62.

1. Kierownik Katedry Chłodnictwa, Politechnika, Gdansk.

LIPOWIECKI, M. A.

Zastosowanie pomp do betonowania (Application of pumps for concreting), by M. A. Lipowiecki. Reported in New Books, (Nowe Książki), No. 6, March 15, 1956.

LIPOWIECKI, T.

"An oscilloscopic method for investigation of the reverse voltage characteristics of crystal diodes." p. 331. (ARCHIWUM ELEKTROTECHNIKI Vol. 2, No. 3/4. 1953. Warszawa, Poland)

SO: Monthly List of East European Accessions. (EEAL). LC. Vol. 4. No. 4. April 1955. Uncl.

LIPOWIECKI T.

POLAND/Electricity - Semiconductors

G-3

Abs Jour : Ref Zhur - Fizika, No 2, 1958, No 3747

Author : Lipowiecki Tadeusz

Inst : Not Given

Title : Band Theory of Electric Conductivity of Solids

Orig Pub : Rozpr. elektrotechn., 1957, 3, No 2, 171-212

Abstract : Survey

Card : 1/1

0133

POL/22-59-10/11-1/12

9.3200

AUTHOR: Lipowiecki, Tadeusz, Graduate Engineer

TITLE: A Method for the Approximate Determination of the Effective Values of Nonsinusoidal Processes

PERIODICAL: Przegląd Telekomunikacyjny, 1959, No. 10/11, pp. 285 - 289

TEXT: The article presents a method for determining the approximate effective values of nonsinusoidal functions and processes through the integration of mean and extreme values. The author points out that together with its simplicity the method presents many drawbacks and limitations. Nonsinusoidal wave forms may be produced by thermoelements, demodulators^o (diodes, triodes, crystals), or thermistors, all of which need exact stabilization of working voltages. Such processes have three values: a maximum (extreme) value, an effective value, and a mean value, the last being the smallest. If a nonsinusoidal periodic process is expressed by the formula: $u = u(k, t)$, (where t is the time coefficient, and k is a constant corresponding to the shape of the function of the examined process), these values then may also be expressed by: $U_{\text{mean}} = U \cdot f_1(k)$, $U_{\text{max}} = U \cdot f_2(k)$, and $U_{\text{eff}} = U \cdot f_3(k)$, in which U may represent any value chosen at random during computations, while f_1 , f_2 , and f_3 are nondimensional functions of k . Its

Card 1/2

333

POL/22-59-10/11-1/12

A Method for the Approximate Determination of the Effective Values of Nonsinusoidal Processes

development is: $U_{\text{eff}} = U_{\text{mean}} + m(k) \cdot U_{\text{max}}$, in which $0 < m(k) < 1$. Approximate calculation: $U_{\text{qeff}} = c \cdot (U_{\text{mean}} + m \cdot U_{\text{max}})$, in which U_{qeff} is a quasi-effective value, and c and m are constants. By replacing the values and dividing both sides by U_{eff} we obtain:

$$\frac{U_{\text{qeff}}}{U_{\text{eff}}} = c \cdot \left[\frac{f_1(k)}{f_3(k)} + m \cdot \frac{f_2(k)}{f_3(k)} \right], \text{ or } f_4(k) = \frac{f_1(k)}{f_3(k)} + m \cdot \frac{f_2(k)}{f_3(k)}$$

in which the k parameter will stipulate that $f_4(k) = \text{const} \neq 0$. If we assume that in the measured nonsinusoidal process the k parameter changes its value between k_1 and k_2 , the stipulated equation $f_4(k_1) = f_4(k_2)$ will determine the value of the coefficient m . The author then gives examples of calculating the effective values of a pulse wave, of harmonic distortion in a ferromagnetic circuit, and of a process containing third harmonic distortion in the positive phase of the fundamental frequency. There are 8 diagrams and 1 table.

ASSOCIATION: Zakład Teorii Łączności IPPT PAN (Telecommunications Theory Institute of the Institute for Basic Problems of Technology of the Polish Academy of Sciences)

Card 2/2

4

LIPOWIECKI, T.

Certain method of designing pulse current transformers. Archiw
elektrotech 11 no.2:247-260 '62.

1. Zaklad Teorii Laczności, Instytut Podstawowych Problemow
Techniki, Polska Akademia Nauk, Warszawa.

27 Feb 66 0-2-66
KASZUBSKA-POLKOWSKA, Irena; LIPOWSKA, Helena.

Infectious hepatitis (Botkin's Disease) in infants. *Pediat. polska*
30 no.12:1153-1161 Dec 55.

1. Z II Kliniki Chorob Dzieci A.M. we Wroclawiu. Kierownik: prof.
dr. med. M. Wiersbowska. Wroclaw, ul. Olszewskiego 69 m. 5.
(HEPATITIS, INFECTIOUS, in inf. and child)

LIPOWSKA, H.; KOWALSKI, R.; WASIEWICZ, W.

Unusual case of cerebral calcifications in a child. Polski przegl.
radiol. 25 no.3:231-237 My-Je '61.

1. Z I Kliniki Pediatricznej A.M. we Wroslawiu Kierownik: prof.
dr H. Hirszfelkowa.

(BRAIN dis) (CALCIFICATION in inf & child)

KOWARZYKOW, Hugon; KOWARZYKOWA, Zofia; KUBISZ, Tadeusz; SITNIEWSKI, Stefan;
GIERON-ZASADZIENIOWA, Malgorzata; LIPOWSKA, Ligia

Reconstruction of the axonocardiogram in Einthoven's triangle.
Polski tygod. lek. 16 no.26:981-984 26 Je '61.

1. Katedra Patologii Ogolnej i Doswiadczalnej A.M. i Osodek Kardiolo-
giczny przy P.S.K. Nr 1 we Wroclawiu.

(VECTORCARDIOGRAPHY)

HOBIER, Tadeusz; JEZUSEK, Jerzy; LIPOWSKA, Ludgarda

Effect of alternate squeezing of the inner tube on the coefficient of the heat transfer from the inner tube to the gas flowing through the annular space. *Chemia stosow B* 1 no.2:181-207 '64.

1. Institute of Chemical Engineering and Apparatus Design, Gliwice, of the Polish Academy of Sciences. Submitted June 20, 1963.

MALECKI, Jan; UKLEJA, Zygmunt; LIPOWSKA-PAWLAK, Krystyna

Histochemical studies on cuticular formations of the inner ear.
Otolaryng. Pol. 18 no.2:165-170 '64.

1. Z II Kliniki Otolaryngologii SDL (Kierownik: prof. dr. med.
J. Malecki).

LIPOWSKI, I.

Concrete and clay elements as building materials for rural construction. III.

P. 25, (Budowietow Wekskie, Vol. 9, no. 10, Oct. 1957, Warszawa, Poland)

Monthly Index of East European Accessions (EEAI) LC. vol. 7, no. 2,
February 1958

LIPOWSKI, Kasimierz; ROSLAWSKI, Adam

Intra-articular chondromatosis. *Polskie arch. med. wewn.* 25 no. 6a:1257-1264 1955.

1. Z Kliniki Radiologicznej A. M. we Wroclawiu kierownik: dr. med. Z. Kubrakiewicz i z Kliniki Chorob wewnetrznych A. M. we Wroclawiu Kierownik: prof. dr. med. Z. Czesowska Wroclaw, ul. Poniatowskiego 2 1. Klin. Chor. Wewn.

(CHONDROMA

chondromatosis, intra-articular. (Pol))

LIPOWSKI, L.

Concrete and clay as building material for rural construction. I. p. 29.
(FUNDAMENTY MIEJSKIE. Vol. 9, no. 8, Aug. 1957. Warszawa, Poland)

SO: Monthly List of East European Accessions (MEAL) 10. Vol. 6, no. 12, Dec. 1957.
Uncl.

LIPOWSKI, L.

LIPOWSKI, L.

Concrete and clay building materials for rural construction. II

p. 15 (Budownictwo Wiejskie) Vol. 9, No. 9, Sept. 1957, Warszawa, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LG, VOL. 7, NO. 1, JAN. 1958

Country : POLAND H-13
Category : Chemical Technology. Ceramics. Binding Materials.
Concrete
Abs. Jour : Ref Zhur-Khimiya, No 14, 1959, No 50483
Lipowski, L.
Author : Lipowski, L.
Institute : --
Title : Cement-Clay Drainage Filters

Orig Pub. : Mater. budowl., 1958, 13, No 9, 277-282

Abstract : Described are the results of investigations
and of manufacturing experience with the
cement-clay drainage filters used in place of
ceramic filters.--B. Levman

Card: 1/1

H-63

LIPCOWSKI, L.

Cement and clay drainpipes. (Conclusion), p. 306.

MATERIALY BUDOWLANE. (Naczelna Organizacja Techniczna) Warszawa, Poland.
Vol. 13, No. 10, Oct 1958

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, No. 11,
November 1959
Uncl.

LIPOWSKI, L.

TECHNOLOGY

PERIODICAL: GOSPODARKA WODNA. Vol. 18, no. 8, Aug 1958

LIPOWSKI, L. Tile drainage tubes made of cement and clay. p. 342.

Monthly List of East European Accessions (EEAI) LC Vol. 8, no. 4.

April 1959, Unclass

LIPOWSKI, M.

Remarks concerning collective factory contracts.

p. 266
Vol. 9, no. 6, Aug. 1955
PRZEMYSŁ WLOKIENNICZY
Lodz

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 5, no. 3
March 1956

LIPOWSKI, Z.

"Training automobile drivers." p. 18 (MOTORYZACJA, Vol. 8, no. 1, Jan. 1953,
Warszawa, Poland)

SC: Monthly List of East European Accessions, Vol. 2, #8, Library of Congress
August, 1953, Uncl.

LIPOWSKI, Z.

"Cooperation of company trucks." p. 76
(Motoryzacja, Vol 8 No 3 Mar 53 Warszawa)

SO: Monthly List of East European Accessions, Vol 2 No 9 Library of Congress Sept 53 Uncl

LIPOWSKI, Z.

"Exploiting Truck Trailers For Transportation Purposes In Building" p. 59.
(Przeglad Budowlany, Vol. 25, no.2, Feb. 1953, Warszawa)

SO: Monthly List of ^{East European} ~~Books~~ Accessions, /Vol. 3, No.2, /Library of Congress, February, 1954, 1953, Uncl.

LIPOWSKI, Z.; KULARSKI, A.

LIPOWSKI, Z.; KULARSKI, A. The procedure with claims in public
automotive transportation. p. 362.

Vol. 10, No. 12, Dec. 1955
MATERIALY EUROPEJSKIE
TECHNOLOGIA
Warszawa, Poland

So: East European Accession, Vol. 5, No. 5, May 1956

LIPOWSKI, Z. ; OMIECINSKI, J.

Piece-rate system in the transportation of retail goods. p. 64.
The question of spare parts. p. 67. MOTORYZACJA, Warszawa.
Vol. 11, no. 3, Mar. 1956.

SOURCE: East European Accession (EEAL) Library of Congress
Vol. 5, no. 8, August 1956.

KRMPOTIC, J.; LIPOZENICIC, M.; SIPUS, N.

Fluorescence test in the diagnosis of laryngeal carcinoma. Bul
sc Youg 9 no.1/2:11 F-Apr '64.

1. Research Institute for the Protection of Ear and Upper
Respiratory Organs, Zagreb.

PADOVAN, Ivo; LIPOZENCIC, Marko; BASIC, Marko

Malignant tumors of the epipharynx with special references to surgery
and radiation therapy. Rad. med. fak. Zagreb. 9 no.3:27^a-292 '61.
(NASOPHARYNX neopl)

SERCER, A.; PADOVAN, I.; KRMPOTIC, J.; KNEZEVIC, M.; BALOGH, M.; MILIC, N.;
SIPUS, N.; DURIN, B.; LIPOZENCIC, M.; GUSIC, B.; SPAVENTI, S.;
GOSPODNETIC, A.; PANSINI, M.; IVIC, Z.; MARINOVIC, F.; BASIC, M.;
ORESKOVIC, M.; KNEZEVIC, S.; MARICIC, Z.

Medicine. Bul sc Youg 9 no.4/5:116-117 Ag-0 '64.

LIPOZENCIC, Marko, dr.

Use of torecan (thiethylperazine) in the treatment of otolaryngological patients. Liječn. vjesn. 86 no.10:1271-1274 0 '64.

1. Iz Otolaringoloske klinike Bolnice " Dr. M. Stojanovic" u Zagrebu.

LIPP, A.

A scientific conference of students on geodesy and geophysics held on Sipron University Day. p. 81 (Geodezia es Kartografia Vol. 8, no. 1, 1956 Budapest)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

LIFF, A.

Some remarks on the solution of Hansen's problem by a computing machine. p. 249
(Geodezia es Kartografia Vol. 8, no. 3, 1956 Budapest)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, no. 7, July 1957. Incl.

L 13254-66

ACC NR: AP6007065

SOURCE CODE: HU/0017/65/017/003/0199/0200

AUTHOR: Lipp, Andras

ORG: none

24
B

TITLE: Determination of the altitude of photograph coincidence points with the aid of the diagram tachimeter

SOURCE: Geodezia es kartografia, v. 17, no. 3, 1965, 199-200

TOPIC TAGS: map, cartography, earth science instrument

ABSTRACT: In the course of the preparation of the 1:10,000 scale ^{12,44,55}map of Hungary, there are often considerable differences in altitude between the various reference points employed in determining the coincidences of adjoining photographs. Wherever, owing to territorial coverage, it is not practicable to employ trigonometrical altitude determinations, it was found that the Zeiss-Dahlta diagram tachimeter ^{274,53} can be used to good advantage. The operation and performance of this instrument in general, and its application for the purpose involved, was described and illustrated with numerical data. Orig. art. has: 3 formilas, 3 tables. [JPRS]

SUB CODE: 08 SUBM DATE: none

Card 1/1

UDC: 528.738:528.425

MIKHALKOV, Aleksandr Vladimirovich; SERGEYEV, A.S., dots., ratsenzent;
DMCKHOVSKAYA, L.F., dots., ratsenzent; BORISOGLEBSKIY, P.V.,
dots., ratsenzent; LIPP, N.A., inzh., ratsenzent; TEREKHIN,
L.S., nauchn. red.; POLETAYEVA, T.G., red.

[High-voltage technology in examples and problems] Tekhnika
vysokikh napriazhenii v primerakh i zadachakh. Moskva,
Vysshaya shkola, 1965. 225 p. (MIRA 18:10)

LIPP, Yan Stepanovich, chlen Kommunisticheskoy Partii Sovetskogo Soyusa.

During those years. Grazhd. av. 14 no.10:22-23 0 '57. (MIRA 10:12)
(Aeronautics, Commercial--History)
(Lipp, IAn Stepanovich)

LIPPA, Ivan Trofimovich; KLYUCHNIK, A., red.; MOLCHANOVA, T., tekhn. red.

[Behind the facade of "prosperity"; condition of the working youth
in modern England] Za fasadom "prosvetania"; polozhenie rabochei
molodezhi v sovremennoi Anglii. Odessa, Odesskoe knizhnoe izd-vo
1961. 121 p. (MIRA 14:11)

(Great Britain--Youth--Employment)

The bleaching process of sulfur compounds is a complex reaction involving the oxidation of sulfur to sulfuric acid. This process is typically carried out in a series of steps, starting with the oxidation of sulfur to sulfur dioxide, followed by the oxidation of sulfur dioxide to sulfur trioxide, and finally the absorption of sulfur trioxide in water to form sulfuric acid. The reaction is highly exothermic and requires careful control of temperature and pressure to ensure a safe and efficient process.

LIPPA, L.

Parameters established in the technological bleaching process of celluloses and rag pulps with hypochlorite in the Steaua Rosie Cellulose and Paper Factory, and utilization of these parameters. p. 308.
(CELULOZA SI HIRTIE. Vol. 5, no. 11/12, Nov./Dec. 1956, Bucuresti, Rumania)

SO: Monthly List of East European Accessions (FEAL) LC. Vol. 6, No. 12, Dec. 1957.
Uncl.

Lippai, J.
GELLERTA, A.; POBERRAI, M.; NAGY, I.; NAGY, S.; LIPPAI, J.

Comparative histological studies on the structure of the wall of lymphatic vessels. I. Histological structure of the wall of ductus thoracicus. Kiserletes orvostud. 9 no.3:309-315 July 57.

1. Szegedi Orvostudományi Egyetem Bonctani, valamint Szövet- és Fejlődéstan Intézete.

(THORACIC DUCT, anat. & histol.

histol. structure of thoracic duct wall in various species (Hun)).

GELLERT, Albert; KOZMA, Marta; POBERAI, Maria; LIPPAL, Jozsef

Data on the problem of autonomic innervation of the smooth muscle. Kiserletes Orvostudomány 12 no.1:35-39 F '60.

1. Szegedi Orvostudományi Egyetem Bonctani, valamint Szövet és Fejlődéstani Intézete.
(MUSCLES innervation)

RACZ, Gyorgy, dr.; KOZMA, Maria, dr.; LIPPAI, Jozsef, dr.; IVANYI, Janos, dr.

5-year observations on aged patients in the therapeutic ward
of the Jaszbereny City Hospital. *Nepegeszsseguy* 42 no.1:19-21
Ja '61.

1. Közlemeny a jaszberenyi városi kórház belgyógyászati osztályáról.
(GERIATRICS hosp & clin)

POBERAI, Maria; GELLERT, A.; NAGY, I.; LIPPAI, J.; KOZMA, Marta; NAGY, S.

Comparative histology of the structure of the wall of lymphatic vessels.
III. Histological structure of the wall of peripheral lymphatic vessels.
Acta Morph. Acad. Sci. Hung. 11 no.2:229-238 '62.

1. Institut für Anatomie, Histologie und Embryologie der Medizinischen
Universität, Szeged (Vorstand: Prof. A. Gellert)

(LYMPHATIC SYSTEM anat & histol)

POBERAI, Maria; GELLERT, Albert; NAGY, Istvan; LIPPAI, Jozsef; KOZMA, Marta;
NAGY, Sandor

Comparative studies on the tissue structure of the walls of the peripheral lymph vessels. Kiserletes orvostud. 13 no.2:154-159 My '61.

1. Szegedi Orvostudományi Egyetem Bonctani, valamint Szövet- és Fejlődéstan Intézete.
(LYMPHATIC SYSTEM anat. & histol.)

LIPANSKY, J.

The Mauvoisin Dam in Switzerland. p. 108. VODNI HOSPODARSTVI. (Ustredni sprava vodniho hospodarstvi) Praha. No. 4, Apr. 1956.

SOURCE: East European Accessions List, Vol. 5, no. 9, September 1956

LIPPANSKY, S.

A few remarks on drilling operations. p.138.
(Vodni Hospodarstvi, No. 5, May 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.